42" Wall Mount Monitor

22" Desktop Monitor

S3424

7300-1657: 0213

FireWorks®

Graphical Command Interface Hardware and Ordering Information

For detailed application and operation information please see Data Sheet 85006-0049.

Overview

FireWorks is a family of software and hardware options that work in concert with Edwards Emergency Communication System/ Mass Notification System/Life Safety System (ECS/MNS/LSS).

FireWorks provides an intuitive user interface, taking what could be an overwhelmingly large amount of information and presenting it in an easy-to-understand format. FireWorks does this by dividing major system functions into easy-to-manage viewports. These viewports make the system intuitive to use because information is presented logically.

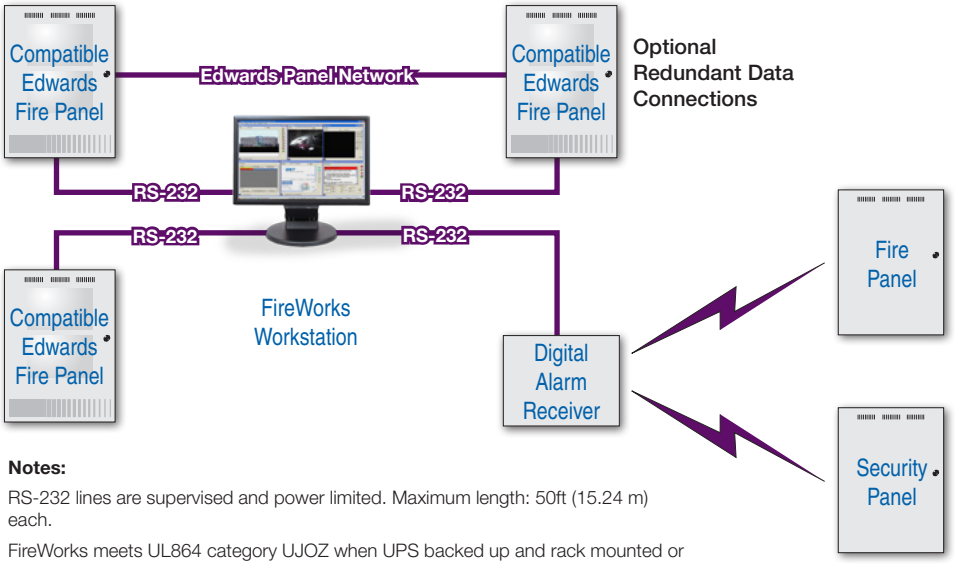
FireWorks is event driven. This greatly increases the user's ability to deal with system events by eliminating the confusion sometimes experienced when systems present all information at once. FireWorks automatically prioritizes the events for the user in an *Event Viewport*. Here the highest priority event is displayed first, and the lowest priority event is displayed last. This allows the user to quickly determine which events warrant the most immediate attention.

Each of the other supporting viewports provides specific information and/or control options that relate to the event highlighted in the Event Viewport. Related information may include event action information (specific tasks the user may need to perform in response to the event), or information about the area where the event has taken place (any hazardous materials present in the area, etc.). Access control card holder information, images, CCTV, video, audio messages, web pages, and graphical maps may also be presented to aid in the understanding of an event and how it should be managed.

Standard Features

- **UL/ULC Listed for ECS/MNS/LSS and Security**
- **Event-driven configurable multiple viewport display**
  Automatic prioritization of events simplifies the system for the user.
- **Software-only versions**
  Where UL listings are not required, FireWorks software allows the use of less expensive PCs for monitoring-only functions, while providing a full-featured graphic display.
- **Interactive life safety control**
- **Optional Internet Connectivity**
  Provides remote monitoring of FireWorks status.
  Provides ability to run reports.
- **Monitor and control for single or multi-line Life Safety networks**
- **HTTP/HTTPS Communications Engine**
- **Email events to multiple recipients automatically**
- **Email events to multiple recipients automatically**
- **Context-sensitive event action messages**
  Provides event-specific instructional text.
- **Use native graphic formats to create event maps**
  Import most standard graphic formats, such as wmf, dwg and more.
- **Optional Digital Alarm Receiver Connectivity**
  Provides the ability to monitor and display events from fire and security panels of different manufactures at a common location

Typical Direct Connections

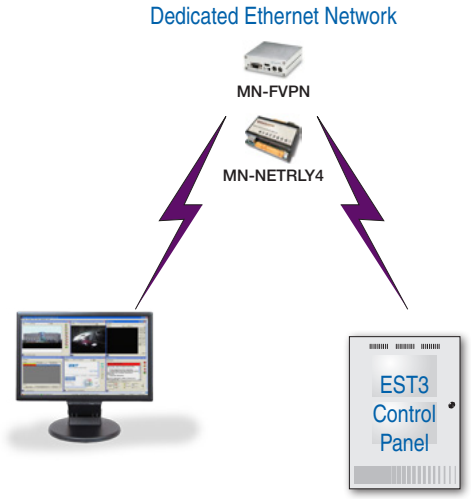


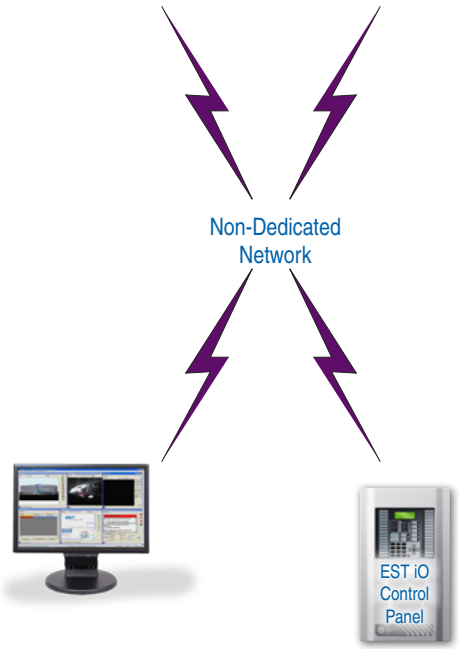
Notes:

RS-232 lines are supervised and power limited. Maximum length: 50ft (15.24 m) each.

FireWorks meets UL864 category UJOZ when UPS backed up and rack mounted or when used with PCCA5. Contact your AHJ for other application configurations.

Typical Network Deployment





Note: FireWorks meets UL864 category UJOZ when UPS backed up and rack mounted or when used with PCCA5. When using Ethernet, an FW-NIC and FW-NCCA5 are required. Contact your AHJ for other application configurations.

Installation and Mounting

FireWorks meets UL requirements when desk, floor or rack mounted. For floor and desk mounting a PCCA5 (ordered separately) must be used for conduit connection of PC to junction box. The FireWorks workstation must be UPS backed. Uninterruptible Power supplies (UPS) meeting UL1481 – "Power Supplies for Fire Protective Signaling Systems" and UL 864 category UTRZ required.

Specifications

FireWorks CPU (FWUL5W7 and FWUL5RAIDW7)	
Computer Type	Industrial Grade Dual Core 3.0 GHz Intel processor, 800MHz front side bus.
Harddrive	500 GB
Dimensions	17" w x 22.5" d x 7" h (432 mm x 572 mm x 177 mm)
Weight	44 lbs. (20.0 kg) - Actual Weight depends on the installed options.
Keyboard and mouse	Standard 101 key, black; Black two button PS2 mouse
Power Supply	350 Watts voltage range selected automatically. Acceptable inputs are: 100 - 127 (nominal) Vac; 50/60 Hz; 6 Amps max. 200 - 240 (nominal) Vac; 50/60 Hz; 3 Amps max. PC comes with conduit adapter for AC connection when desk or Tower mounting.
RAM	4 GB standard
Operating System	Windows 7 Ultimate 64 Bit
Fire Systems Monitored/Controlled	EST3 or EST2 (non-networked) iO Series, IRC-3, FCC. EST3X can be connected only through an EST3 panel/network.
Communication format	RS-232 and/or TCP/IP connections to systems via optional cards.
Log text	65000 characters per event Max.
Graphic Zoom fields	Unlimited (32 max recommended)
History archive	Subject to hard drive space (budget 2 meg per 10,000 events)
Operator Log/On Log/ Off	Three-security control access levels. Complete customization of user access attributes by password
Operating Temperature	0° to 49° C (32° to 120° F)
Relative Humidity	5% to 95% non-condensing
Optical Drive	DVD-RW
Mounting	Desktop or floor mounting or Rack/Panel mount in 19'' RKU series. Use RKU-61-24 when rack mounting.
Approvals	UL, ULC (see Note 1).
USB Ports	Eight USB ports: two on front, six on rear.
PCI Expansion Slots	Four PCI slots, one PCI express slot.
Serial Ports	Order FW-SP4i separately to obtain four serial ports (occupies one PCI slot).
Network Interface	Order FW-NIC and FW-NCCA5 for Ethernet 100Base-TX connections (occupies one PCI slot).
RAID 1 hard drive array	Specify FWUL5RAIDW7 computer for standard features plus RAID 1 mirrored hard drive array.

Rack-Mount LCD Monitors – 19" black (FW-19LCDWTS)	
Dimensions (W × H × D)	17.4 × 15.6 × 8.0 in. (441.96 × 396.24 × 203.2 mm)
Diagonal Viewing area	19"
Weight	15 lbs. (6.8 kg) with touch screen and base
Power	120 VAC, 1.5 A, 60 Hz, 180 W max.
Screen Resolution	1440 x 900 VGA
Speakers	Two built-in speakers in display head.
Mounting	Use FW-19LCDWRACK rack mount kit
Environment	0 to 49° C (32 to 120° F) 5 to 93% RH, noncondensing
Touch Screen	Capacitive w/USB Controller
Brightness	230 cd/m^2 typical
Approvals	UL, ULC, see Note 1.

Monitors – 22" black (Liquid Crystal Display) (FW-22LCDWTS)	
Dimensions (W × H × D)	20.2 × 15.9 × 8.7 in. (513.08 × 403.86 × 221.8 mm)
Diagonal Viewing area	
Weight	16.5 lbs. (7.48 kg) with touch screen and base
Power	120 VAC, 1.5 A, 60 Hz, 180 W max.
Screen Resolution	1680 × 1050 WSXGA
Speakers	Two built in Speakers
Mounting	Desk mount
Environment	0 to 49° C (32 to 120° F) 5 to 93% RH, noncondensing
Touch Screen	Capacitive w/USB Controller
Brightness	300 cd/m^2 typical (depending on panel spec)
Approvals	UL, ULC, see Note 1

Monitors – 42" black (Liquid Crystal Display) (FW-42LCDWTS)	
Dimensions (W × H × D)	41.3 × 25.2 × 5.0 in. (1049 × 640 × 127 mm
Diagonal Viewing area	
Weight	70 lbs. (32 kg)
Power	120 VAC, 1.97 A, 60 Hz, 236 W max.
Screen Resolution	1920 × 1080
Speakers	N/A
Mounting	Wall mount. Order kits separately.
Environment	0 to 49° C (32 to 120° F) 5 to 93% RH, noncondensing
Touch Screen	capacitive touch screen
Brightness	500 cd/m^2 typical
Approvals	UL, ULC, see Note 1
Cables	Comes with standard VGA, power, and USB cable

Software Options	
FW-CGSUL	Color Graphics Software supports Text Annunciation, Graphics and Reports. Must be run on UL listed PC. Provides a full-featured Event driven six-viewport graphic display. Supports IRC-3, EST2, FCC, and EST3 systems.
FW-CGS	Allows Text annunciation with graphics. Provides event driven six-viewport graphic display. No common control. Use with IRC-3, EST2, FCC, and EST3 systems.
SV	SiteVision - Allows use of existing CCTV monitors with control of CCTV system. No on-screen control provided at FireWorks PC. Operates with FW-CGS (UL) series software. Supported CCTV systems: See Note 2.
SV+	SiteVision+ Provides on Screen annunciation of CCTV at FireWorks PC. Allows control of cameras through CCTV matrix or multiplexer. Operates with FW-CGS (UL) series software. Supported CCTV Systems: See Note 2. FW-VIDTVC required, order separately.
FW-1S	One seat Web client.
FW-4S	Used in conjuction with FW-1S provide 4 additional concurent remote client seats for a total of 5 concurrent seats supported.
FW-10S	Used in conjunction with FW-1S and FW-4S to provide a total of 15 concurrent remote client seats.
FW-DARCOM	Provides connectivity for 1 to 8 Digital Alarm Receivers
FW-IPMON1000	IP Monitoring for 1000 connections to iO series panels. Requires companion software option FW-DARCOM.

Note 1:
FireWorks is modularly listed under the following standards: UL 864 categories: UOJZ, UOXX, UL 294 category ALVY, UL 636 category ANET, UL 1076 category APOU, UL 365 category APAW, UL 1610 category AMCX, ULC-S527 and UL 2572. Please refer to FireWorks Installation and Service Manual for complete system requirements.

Note 2:
Supported CCTV Systems (Windows XP only): Pelco Matrix Systems: CM6700 series, 8500, 9500. Philips: LTC8100, 8200, 8300, 8500, 8600, 8800, 8900 series. Vicom: Nova V142. Kalatel: KTD-348.

Note 3:
Compatible digital alarm receiver is a Bosch D6600.

Contact us...

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Ordering Information

Standalone Workstations	
FWUL5W7	Workstation (see notes) Dual Core 3.0 GHz processor comes with Windows 7 Ultimate 64-bit, DVR-RW, 4 Gig RAM memory, 500 Gig Hard drive, on board sound card, on board video, 8 USB ports, auto-ranging 120/220Vac 50/60 Hz power supply. Order serial interface card or network interface card, monitor, mounting hardware, Fireworks Application software and other optional cards separately.
FWUL5RAIDW7	Same as FWUL5W7 but with a 500 Gig RAID Hard drive array configured as RAID 1 for redundant drive mirroring.

Optional Components	
FW-SP4I	Serial Port for UL/ULC listed FWL5W7 or FWUL5RAIDW7 workstations. Provides four serial ports. Occupies one PCI slot. Maximum two FW-SP4I cards per workstation.
FW-NIC	UL/ULC Listed Ethernet 100Base-TX Network Interface Card.
FW-MOD	Modem for UL/ULC listed systems - 56K baud V.90
FW-HD5W7	Replacement hard drive for FW-UL57 computer.
FW-HD5RAIDW7	Replacement hard drive for FWUL5RAIDW7 computer.
FW-NCCA5	Network conduit adapter. Provides connection to FW-NIC for Ethernet conduit.

Monitors	
FW-19LCDWTS	Rack mount UL/ULC 19" LCD, 1440 x 900, capacitive TS order FW-19LCDWRACK Rack mount kit separately.
FW-22LCDWTS	UL/ULC Listed 22" 16:9 LCD, 115 Vac, 1680 X 1050 resolution, capacitive touchscreen, with integral speakers. C/W desk stand, cable set, driver disk.
FW-42LCDWTS	UL/ULC Listed 42" 16:9 LCD, 115 Vac, 1920x1080 resolution, surface acoustic wave (SAW) touchscreen, with integral speakers. Comes cable set and driver disk. Requires wall mounting bracket kit ordered separately.

Enclosures and Mounting Accessories	
RKU-61-24B	19" Rack mount enclosure black color- 35 EIA panel spaces available.
FW-19LCDWRACK	Rack mount kit for model FW-19LCDWTS monitor
FW-42LCDHMK1	42" wall mount bracket kit - single display, horizontal
FW-42LCDVMK1	42" wall mount bracket kit - single display, vertical
FW-42LCDVMK2	42" wall mount bracket kit - dual display, vertical
FW-RACKPCUL5	Computer rack mount kit - 4 EIA panel spaces required, C/W slides & handles.
FW-RACKKB	Keyboard Rack mount kit - Black - 2 EIA panel spaces required.
FW-RACKSD	Rack mount slides for use with FW-RACK PC
BP1	Blank plate - One EIA panel Space (1.75" x 19") (See Note 3)
BP2	Blank plate - Two EIA panel Spaces (3.5" x 19") (See Note 3)
BP3	Blank plate - Three EIA panel Spaces (5.25" x 19") (See Note 3)
MFC-A	Accessory Enclosure for mounting Mini-Mux at FireWorks workstation

Accessories	
MN-COM1S	UL 864 FireWorks Communications Ethernet Port, Command & Control
MN-NETSW1	Unmanaged Layer 2 Ethernet Switch
APS6A	6.5 Amp Auxiliary Power Supply
APS10A	10 Amp Auxiliary Power Supply
MN-NETRLY4	Ethernet controllable multi I/O module. 4 unsupervised inputs & 4 unsupervised outputs. Comes with one MN-NRKB1.
MN-FVPN	Voice Over Internet Protocol (VoIP) encoder/decoder, includes power and audio cable.
MN-TK10	10 Position, 4 pole terminal kit for use with MN-NETRLY4 or MN-FVPN
MN-BRKT2	MN-COM1S or MN-NETSW1 mounting bracket for MFC-A enclosures or on 3-CHAS7

Notes:

1. All FireWorks workstations come standard with mouse control.
2. FireWorks meets UL864 category UJOZ when rack mounted or when used with PCCA. The system must be UPS backed up. Approval by AHJ may be required for other applications.
3. One EIA panel space is 1.75" in height.

While every effort is taken to ensure that specifications accurately represent FireWorks workstations Edwards reserves the right to change FireWorks computer hardware and/or software specification without notice.